U.S. Patent Application No. 10/689,756
Amendment dated April 10, 2007
Reply to Office Action of January 26, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) An image processing system comprising:

a camera for picking up a workpiece; and

an image processing apparatus for capturing image pickup data of the workpiece picked up by said camera and performing image processing, said image processing apparatus including a trigger receiving section for receiving a trigger from an outside to initiate image pickup processing of the workpiece, a trigger generation section for generating a predetermined number of internal triggers at predetermined intervals when said trigger receiving section receives the trigger from the outside, an image processing section for performing image processing with respect to each of the image pickup data picked up by the camera by the trigger from the outside and the internal triggers, and a statistical processing section for performing statistical processing of each image processing result data from the image processing section.

2. (Original) The image processing system as defined in claim 1, wherein a user can arbitrarily set the number of generations of the internal triggers.

3. (Original) The image processing system as defined in claim 1, wherein said image processing apparatus includes a display section for displaying a result calculated by the statistical processing section.

4. (Currently amended) An image processing method comprising:

receiving an external trigger from the outside to initiate image pickup processing of a

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workpiece;

generating a predetermined number of internal triggers at predetermined intervals when the trigger is received from the outside;

picking up a the workpiece by the trigger from the external trigger and the internal triggers;

performing image processing with respect to each of the image pickup data picked up; and

performing statistical processing of each image processing result data obtained from the image processing.

5. (Original) The image processing method as defined in claim 4, further comprising:

setting the number of generations of the internal triggers.

6. (Original) The image processing method as defined in claim 4, further comprising:

displaying a result calculated from the statistical processing.

7. (New) The image processing system as defined in claim 1, wherein the statistical processing comprises generating at least one of a maximum value of variation in workpiece position, a minimum value of variation in workpiece position, and an average value of variation in workpiece position.

8. (New) The image processing system as defined in claim 1, wherein the statistical processing comprises eliminating image processing result data that deviates from a predetermined range.

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9. (New) The image processing system as defined in claim 1, wherein the predetermined intervals are set to avoid synchronizing with a period of an edge position of the workpiece.

10. (New) The image processing method as defined in claim 4, wherein the statistical processing comprises generating at least one of a maximum value of variation in workpiece position, a minimum value of variation in workpiece position, and an average value of variation in workpiece position

11. (New) The image processing method as defined in claim 4, wherein the statistical processing comprises eliminating image processing result data that deviates from a predetermined range.

12. (New) The image processing method as defined in claim 4, further comprising setting the predetermined intervals to avoid synchronizing with a period of an edge position of the workpiece.

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